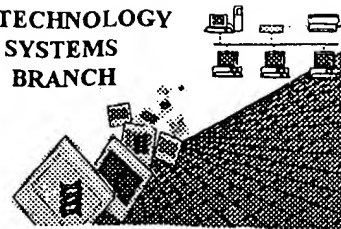


P. McInt 3

RUB

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/901,556 B

Source:

1605

Date Processed by STIC:

5-21-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Does Not Comply
Corrected Diskette Needed
See page 2



1600

RAW SEQUENCE LISTING

DATE: 05/21/2003

PATENT APPLICATION: US/09/901,556B

TIME: 14:58:18

Input Set : A:\2923-286.seq.txt

Output Set: N:\CRF4\05212003\I901556B.raw

3 <110> APPLICANT: Hotten, Gertrud
 4 Neidhardt, Helge
 5 Bechtold, Rolf
 6 Pohl, Jens
 8 <120> TITLE OF INVENTION: GROWTH/DIFFERENTIATION FACTORS OF THE TGF-B FAMILY
 10 <130> FILE REFERENCE: 2923-0286
 12 <140> CURRENT APPLICATION NUMBER: 09/901,556B
 14 <141> CURRENT FILING DATE: 1999-09-24
 16 <150> PRIOR APPLICATION NUMBER: 08/289,222
 18 <151> PRIOR FILING DATE: 1994-08-12
 20 <150> PRIOR APPLICATION NUMBER: DE P 44 23 190.3
 22 <151> PRIOR FILING DATE: 1994-07-01
 24 <150> PRIOR APPLICATION NUMBER: EPO 92102324.8
 26 <151> PRIOR FILING DATE: 1992-02-12
 28 <150> PRIOR APPLICATION NUMBER: PCT/EP93/00350
 30 <151> PRIOR FILING DATE: 1993-02-12
 32 <160> NUMBER OF SEQ ID NOS: 53
 34 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

490 <210> SEQ ID NO: 12
 492 <211> LENGTH: 24
 494 <212> TYPE: DNA
 496 <213> ORGANISM: artificial
 498 <220> FEATURE:
 500 <223> OTHER INFORMATION: adaptor primer
 502 <400> SEQUENCE: 12
 E--> 503 agaattcgca tgccatgggc gacg
 504

*numbering not aligned at end of
sequence.*

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/901,556B

DATE: 05/21/2003
TIME: 14:58:19

Input Set : A:\2923-286.seq.txt
Output Set: N:\CRF4\05212003\I901556B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:11; Line(s) 487

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:11,12,16,32,43

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:43

VERIFICATION SUMMARY

DATE: 05/21/2003

PATENT APPLICATION: US/09/901,556B

TIME: 14:58:19

Input Set : A:\2923-286.seq.txt

Output Set: N:\CRF4\05212003\I901556B.raw

L:503 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:12
L:1142 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:43, <213>
ORGANISM:artificial
L:1142 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:43, <213>
ORGANISM:artificial
L:1142 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:43,Line#:1142